

## CHAPTER 4

### POINT AND NONPOINT SOURCE CHARACTERIZATION OF THE WOLF RIVER WATERSHED

#### 4.1 Background.

#### 4.2. Characterization of HUC-10 Subwatersheds

##### 4.2.A. 0801021001 (Wolf River)

##### 4.2.B. 0801021002 (North Fork Wolf River)

##### 4.2.C. 0801021003 (Wolf River)

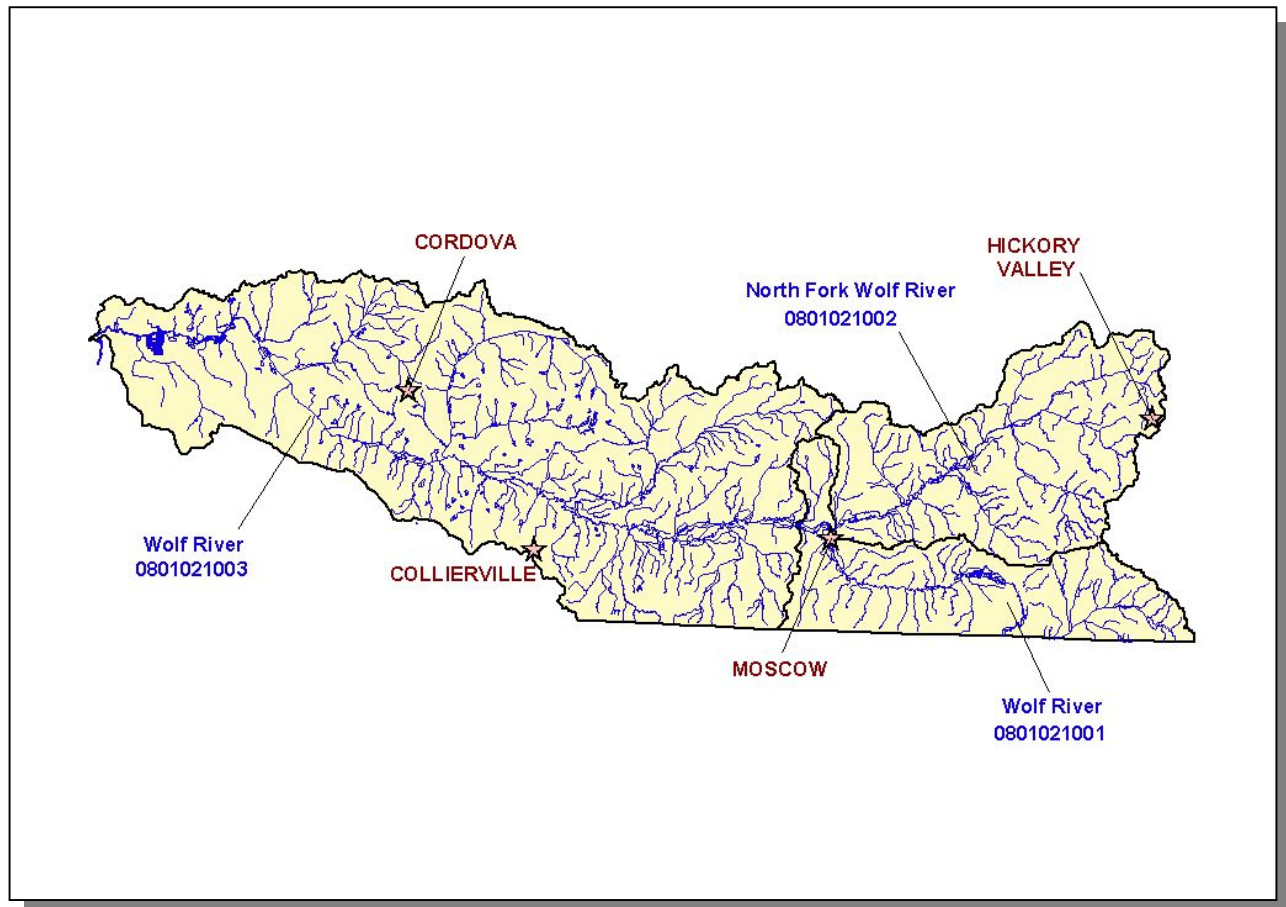
**4.1. BACKGROUND.** This chapter is organized by HUC-10 subwatershed, and the description of each subwatershed is divided into four parts:

- i. General description of the subwatershed
- ii. Description of point source contributions
- ii.a. Description of facilities discharging to water bodies listed on the 2002 303(d) list
- iii. Description of nonpoint source contributions

The Tennessee portion of the Wolf River Watershed (HUC 08010210) has been delineated into three HUC 10-digit subwatersheds.

Information for this chapter was obtained from databases maintained by the Division of Water Pollution Control or provided in the WCS (Watershed Characterization System) data set. The WCS used was version 2.0 (developed by Tetra Tech, Inc for EPA Region 4) released in 2003.

WCS integrates with ArcView® v3.x and Spatial Analyst® v1.1 to analyze user-delineated (sub)watersheds based on hydrologically connected water bodies. Reports are generated by integrating WCS with Microsoft® Word. Land Use/Land Cover information from 1992 MRLC (Multi-Resolution Land Cover) data are calculated based on the proportion of county-based land use/land cover in user-delineated (sub)watersheds. Nonpoint source data in WCS are based on agricultural census data collected 1992–1998; nonpoint source data were reviewed by Tennessee NRCS staff.



**Figure 4-1. The Tennessee Portion of the Wolf River Watershed is Composed of Three USGS-Delineated Subwatersheds (10-Digit Subwatersheds).** Locations of Collierville, Cordova, Hickory Valley, and Moscow are shown for reference.

**4.2. CHARACTERIZATION OF HUC-10 SUBWATERSHEDS.** The Watershed Characterization System (WCS) software and data sets provided by EPA Region IV were used to characterize each subwatershed in the Wolf River Watershed.

HUC-10	HUC-12	
0801021001	080102100104 (Indian Creek)	080102100106 (Stafford Creek)
	080102100105 (Wolf River)	
0801021002	080102100201 (Upper North Fork Wolf River)	080102100202 (Upper North Fork Wolf River)
0801021003	080102100301 (Wolf River)	080102100305 (Grays Creek)
	080102100302 (Grissum Creek)	080102100306 (Wolf River)
	080102100303 (Shaws Creek)	080102100307 (Wolf River)
	080102100304 (Wolf River)	080102100308 (Fletcher Creek)

**Table 4-1. HUC-12 Drainage Areas are Nested Within HUC-10 Drainages.** NRCS worked with USGS to delineate the HUC-10 and HUC-12 drainage boundaries.